

### **Abstract of the Disclosure**

The present invention relates to a method of manufacturing a low pressure injection type RIM mold and a product molded using the mold, wherein manufacturing  
5 time is reduced by simplifying manufacturing processes and the precision of a product is prevented from being lowered. The method of manufacturing the low pressure injection type RIM mold comprises a first step of machining Styrofoam material to prepare a skin material with a base; a second step of preparing an outer frame around the machined skin material and pouring epoxy onto the machined skin material to prepare a lower mold; a  
10 third step of releasing and inverting the lower mold after the epoxy has been completely cured, and performing NC machining on the released portion of the lower mold; a forth step of preparing a thickness-defining portion on the inverted lower mold using wax or resin by means of machining for the thickness of the product, bosses and a rim; a fifth step of preparing an upper mold by pouring epoxy onto the machined surface; and a sixth step  
15 of removing the thickness-forming portion.